

NEMATOLOGY RESEARCH UNIT

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TAXONOMY AND BARCODING OF PLANT-PARASITIC NEMATODES

Many Plant-Parasitic Nematodes (PPN) around the world still remain undescribed and their diversity and Biology uncovered. Efficient management of PPN in crop fields requires their correct identification till species level. In combination with their morphological studies, molecular diagnostics of the PPN using rDNA markers have been popular. Recently, mitochondrial DNA markers specially the COI sequences have been gaining interest as they appear to provide more promising DNA barcodes for diagnostics. The following steps were carried out in this research to study diversity of PPN around the world and for generation of important sequence information of PPN for use as barcodes.

